

Title (en)

EXPRESSION SYSTEM OF PSICOSE EPIMERASE AND PRODUCTION OF PSICOSE USING SAME

Title (de)

SYSTEM ZUR EXPRESSION VON PSICOSE EPIMERASE UND HERSTELLUNG VON PSICOSE DAMIT

Title (fr)

SYSTÈME D'EXPRESSION DE LA PSICOSE ÉPIMÉRASE ET PRODUCTION DE PSICOSE L'UTILISANT

Publication

**EP 3214176 A4 20180404 (EN)**

Application

**EP 15853745 A 20151030**

Priority

- KR 20140149019 A 20141030
- KR 20150072090 A 20150522
- KR 2015011595 W 20151030

Abstract (en)

[origin: US2016138005A1] A gene expression cassette capable of producing psicose at high yield with high stability, a GRAS (Generally recognized as safe) microorganism, a method of producing the enzyme by using the GRAS microorganism, and a method of producing the psicose by using the GRAS microorganism and enzyme are provided.

IPC 8 full level

**C12N 15/77** (2006.01); **C12N 9/90** (2006.01); **C12N 11/00** (2006.01); **C12N 15/61** (2006.01); **C12P 19/02** (2006.01); **C12R 1/15** (2006.01)

CPC (source: CN EP US)

**C12N 9/90** (2013.01 - CN EP US); **C12N 15/67** (2013.01 - CN EP US); **C12N 15/77** (2013.01 - CN EP US); **C12Y 501/03** (2013.01 - CN EP US)

Citation (search report)

- [X] WO 2012174271 A2 20121220 - UNIV CALIFORNIA [US], et al
- [X] DR SUSAN CARLSON ET AL: "ORIGINAL SUBMISSION 000001 Division of Biotechnology and GRAS Notice Review", 24 August 2011 (2011-08-24), XP055167619, Retrieved from the Internet <URL:http://www.fda.gov/ucm/groups/fdagov-public/@fdagov-foods-gen/documents/document/ucm277372.pdf> [retrieved on 20150205]
- See references of WO 2016068656A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 10240140 B2 20190326**; **US 2016138005 A1 20160519**; CN 107257856 A 20171017; CN 107257856 B 20210528; EP 3214176 A2 20170906; EP 3214176 A4 20180404; EP 3214176 B1 20200401; ES 2796749 T3 20201130; JP 2017531437 A 20171026; JP 6563013 B2 20190821; US 11111485 B2 20210907; US 11168317 B2 20211109; US 2019169591 A1 20190606; US 2019169592 A1 20190606; WO 2016068656 A2 20160506; WO 2016068656 A3 20160623

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**US 201514927731 A 20151030**; CN 201580059406 A 20151030; EP 15853745 A 20151030; ES 15853745 T 20151030; JP 2017520944 A 20151030; KR 2015011595 W 20151030; US 201916274418 A 20190213; US 201916274654 A 20190213